

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	31 January 2026
Team ID	LTVIP2026TMIDS87433
Project Name	Rain Prediction Pipeline Flask
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

Our team discussed common problems related to weather prediction, especially the difficulty in knowing whether it will rain in advance. Each member shared ideas such as weather apps, alert systems, and prediction websites.


After discussion, we selected **Rainfall Prediction using Machine Learning** as our project. This idea was chosen because it solves a real-world problem and allows us to apply data analysis, machine learning models, and web deployment using Flask.

We finalized this idea based on:

- Easy availability of weather data
- Practical use for farmers and planners
- Scope to implement ML concepts
- Ability to deploy as a web application

Final Selected Idea: Rainfall Prediction System using Machine Learning and Flask.

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Brainstorm & idea prioritization

Our team discussed weather-related problems and came up with various ideas to solve them. After evaluating feasibility and usefulness, we selected the idea of Rainfall Prediction System using Machine Learning.

- 5 minutes to prepare
- 1 hour to brainstorm
- 2-8 people team worked

1 Step-1: Problem Selection

What weather related problem should we solve?

5 minutes

2 Step-1: Problem Selection

Let's list all possible ideas for solving the problem.

5 minutes

What new projects the idea:

How can we predict whether it will rain tomorrow?

3 Step-2: Idea Listing

Let's list all possible ideas for solving the problem.

45 minutes

Weather prediction website

SMS alerts for farmers

Mobile weather app

Weather advisory for crops

Dashboard with rainfall trends

Dashboard with rainfall trends

Dashboard with rainfall trends

Dashboard with rainfall trends

2 Step-2: Idea Listing

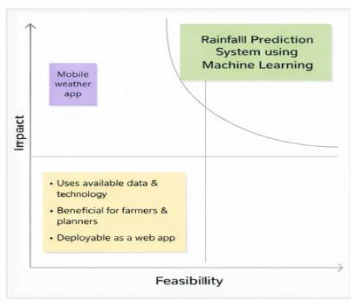
Let's list all possible ideas for solving the problem.

45 minutes

3 Step-3: Idea Prioritization

Which idea is most feasible and useful?

10 minutes



The matrix plots 'Impact' on the y-axis and 'Feasibility' on the x-axis. A curve represents the trade-off. The 'Rainfall Prediction System using Machine Learning' is positioned at the top right, indicating high impact and high feasibility. The 'Mobile weather app' is at the bottom left, indicating low impact and low feasibility. A list of bullet points is shown: 'Uses available data & technology', 'Beneficial for farmers & planners', and 'Deployable as a web app'.

Step-2: Brainstorm, Idea Listing and Grouping

2 Idea Listing

Write down as many ideas as possible for predicting rainfall.

🕒 15 minutes

Tip ❤️
Write as many ideas as you can. Afterwards, we'll group similar ideas together to organize the list.

Athreya

Weather prediction website
Mobile app

Rohit

SMS alerts for farmers
Weather API integration

Person 3

SMS alerts for farmers
IoT rain sensors

Person 4

Person 3

Person 5

Person 6

Person 7

Person 8

Person 8

Step-3: Idea Prioritization

3 Idea Prioritization

Which idea is most useful and feasible for our project?

🕒 30 minutes

